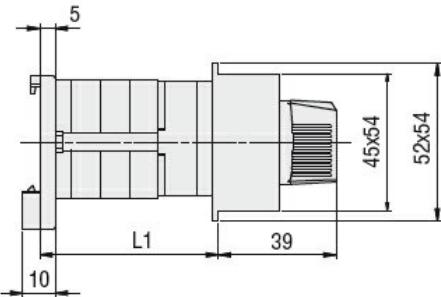


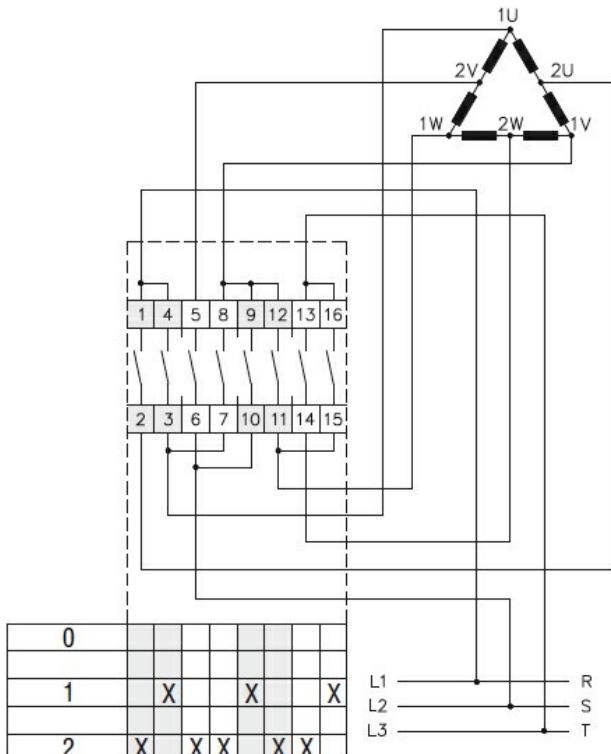
Product designation	Rotary cam switches
Product type designation	GF20
<b>General characteristics</b>	
Switching diagram	19 - Dahlander motor control switch 0-1-2
N° of elements	4
Mounting form	O48 - Modular service cover for 35mm din rail mounting with black handle
<b>Contact characteristics</b>	
Rated insulation voltage Ui	IEC/EN V 480 UL/CSA V 240
Rated impulse withstand voltage Uimp	kV 4
Conventional free air thermal current Ith	IEC/EN A 20 UL/CSA A 15
Rated operational voltage	V 480
Rated operational impulse voltage	kV 4
Maximum fuse size for short-circuit protection In (gG)	10kA A 20 15kA A 20 25kA A 20
Rated short time current Icw	1s kA 250
Conductivity	10/5 mA/V
Operational current le IEC/EN	
AC1/AC21A	A 20
AC15	110V A 10 220/230V A 8 380/400V A 6
Rated operational power in AC	
Three-phase AC-3	220/230V kW 3 380/440V kW 5
Single-phase AC-3	110V kW 0.5 220/230V kW 1.5 380/440V kW 2
Three-phase AC23A	220/230V kW 4 380/440V kW 7.5
Single-phase AC23A	110V kW 0.75 220/230V kW 2 380/440V kW 2.5
Rated operational current in DC	

DC21A	48V	A	20
	60V	A	20
	110V	A	4
	220V	A	0.7
	440V	A	0.2
DC13	24V	A	6
	48V	A	6
	60V	A	3
	110V	A	1
	220V	A	0.4
	440V	A	0.15
Power dissipation		W	0.8
<b>Mechanical features</b>			
Terminals screw			M3
Tightening torque for terminals max		Nm	0.5
Conductor size			
AWG - Rigid cable		min	AWG 20
		Max	AWG 12
AWG - Flexible cable		min	AWG 20
		Max	AWG 12
Conductor size (IEC) - Flexible cable		min	mm <sup>2</sup> 0.5
		Max	mm <sup>2</sup> 2.5
Conductor size (IEC) - Rigid cable		min	mm <sup>2</sup> 0.5
		Max	mm <sup>2</sup> 2.5
Mechanical life		cycles	1x10 <sup>6</sup>
<b>UL technical data</b>			
Motor power for direct-on-line control			
for three-phase motor	240V	HP	3
for single-phase motor	240V	HP	1
<b>Ambient conditions</b>			
Temperature			
Operating temperature		min	°C -25
		max	°C +55
Storage temperature		min	°C -40
		max	°C +70
<b>Resistance &amp; Protection</b>			
Frontal IP degree			IP40
Terminals IP degree			IP20
Dimensions			



Series	L1		
	1	2	3
GF20	40	53.5	67

## Wiring diagrams



#### Certifications and compliance

## Compliance

CSA C22.2 n° 14

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IEC/EN/BS 60947-1

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IEC/EN/BS 60947-3

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IEC/EN/BS 60947-5-1

123, EN, DS 3

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## Certificates

cllius

COLLEGE  
FACULTY

## ETIM classification

ETIM 8.0

EC001029 -  
Selector switch,  
complete